

**From:** [Dawn Ioven](#)  
**To:** [Kelley Chase](#)  
**Cc:** [Robert Helverson](#); [Karl Markiewicz](#); [Lora Werner](#); [Richard Fetzter](#)  
**Subject:** Re: UJ, What?!  
**Date:** 05/15/2012 07:34 AM  
**Attachments:** [understanding lab results.pdf](#)

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Right, Kelley. UJ means that the chemical was not detected, but the detection limit is an estimated value. These data points should be handled the same as a non-detect (U). Thanks.

Dawn

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▼ Kelley Chase---05/14/2012 04:51:39 PM---Bob - Please note that the "UJ" definition was taken from the attached fact sheet provided to us by

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Date: 05/14/2012 04:51 PM  
Subject: Re: UJ, What?!

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Bob -

Please note that the "UJ" definition was taken from the attached fact sheet provided to us by EPA R3. Since that time and after reviewing additional information regarding data qualifiers - I believe it is more appropriate to explain that the analyte was not detected - but that the detection limit noted is estimated.

The following definitions for the UJ qualifier were provided in an EPA document titled "USEPA CONTRACT LABORATORY PROGRAM NATIONAL FUNCTIONAL GUIDELINES FOR INORGANIC DATA REVIEW" and from an EPA R7 online fact sheet, respectively.

NFG- "The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise."

R7 - "U J - The U before the J means that the analyte was not detected in the sample, but the detection limit (number prior to the U J) is an estimated amount."



▼ Robert Helverson---05/14/2012 04:07:21 PM---How are each of you approaching data that is qualified with a UJ, officially defined as, "the U befo

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Date: 05/14/2012 04:07 PM  
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How are each of you approaching data that is qualified with a UJ, officially defined as, "the U before the J means the analyte was not detected in the sample, but this result may be inaccurate. Some analyte may be present."

Sounds contradictory. Shouldn't this data be "R" qualified?

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